power shortage of 21. 6 percent by the end of the Seventh Plan period;

(b) if so, what will be the total demand and what will be the total availability;

(c) what are the areas where the power shortage will be more acute;

(d) what will be the position of the Southern States relating to power shortage after the Seventh Plan period; and

(e) what steps are being considered in this regard?

V THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALP-NATH RAI): (a) The Northern Region of the country is anticipated to face a peaking shortage of 21. 8 per cent by the end of the Seventh Plan period.

(b) The anticipated demand and availa bility Of power in the Northern Region in 1989-90 is given below: —

| | |
|---|---|
| Peak demand . | 14474 MW |
| Peak availability. | 11318 MW |
| Energy requirement | 72080 MU |
| Energy Availability. | 71657 MU |

(c) Peaking power shortage is expected to be more acute in Jammu and Kashmir, Rajasthan and Delhi whereas energy shortage is expected to be more acute in Jammu & Kashmir and Rajasthan.

(d) The Sonthern Region is anticipated to face a peaking shortage of 16. 7 per cent and energy shortage of 18. 8 per cent $i_P$ 1989-90 The peaking shortage in Tamil Nadu may be about 21 per cent followed by 20. 3 per cent in Karnataka. 17. 8 per cent in Andhra Pradesh and 3. 6 per cent in Kerala. The energy shortage in Andhra Pradesh may be about 28. 1 per cent followed by Karnataka (27 per cent). Tamil Nadu (11. 3 per cent) and Kerala (10. 6 per cent).

(e) The steos being taken to increase the availability of power in the Southern Region include expediting commissioning of new capacity, implementation of short gestation projects, improving the performance of the existing power stations, reducing Transmission & Distribution Losses and implementation of demand management and energy conservation measures.

**Conference of power Ministers of Southern States**

576. SHRl SURESH PACHOURI: WM the Minister of ENERGY be pleased to state:

(a) whether it is a fact that a Conference of Power Ministers of the Southern region was held on April 30, 1988 at Bangalore;

(b) if so, what were the main points discussed at the Conference;

(c) how many States attended the Con-ference; and

(d) what are the main suggestions made by the Southern States regarding power position in the region?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALP-NATH RAI): (a) to (d) No conference of Power Ministers of the Southern States was organised by Ministry of Energy. Departmem of Power on April 30th, 1988 at Bangalore,

**National perspective power transmission Plan of Central Electricity Authority**

577. SHRI SURESH PACHOURI: Will . the Minister of ENERGY be pleased to state:

(a) whether it is a fact that the Central Electricity Authority has formulated a National Perspective Power Transmission Plan;

(b) if so, what are the main features of the proposed Plan and what amount will be required for the implementation of the Plan; and

(c) to what extent the power shortage will be improved as a result thereof and what are the projects to be undertaken for the purpose?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALP-NATH RAI): (a) Yes Sir.

(b) The Central Electricity Authority's Perspective Transmission Plan upto the year 1990-2000 A. D., on a Regional as well as All-India basis, brings out the broad trends in 7which the transmission system is likely to emerge subject to certain load and generation seenaries. The total requirement of funds has been assessed at about Rs. 32, 000 crores during the Eighth Plan and about Rs. 36, 000 crores during the Ninth Plan period.

(c) Construction of Extra High Voltage transmission lines, alongwith the corres-ponding sub-transmission and distribution networks, as envisaged in CEA's perspective plan$_i$ would facilitate the optimum utilisation of the Power resources in the country.

**Technological changes in refineries to reduce lead content in petrol**

. 578. SHRI SURESH PACHOURI: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether it is a fact that the Central Government have decided to launch a massive programme to bring about necessary 'technological changes in the refineries, so as to reduce drastically the lead content in the motor spirit, petrol to check pollution from chicle exhaust;

(b) whether Government are also planning to equip all the refineries with the necessary catalytic reforming facilities-

(c) whether this would enable in bringing down the lead level to 0. 15 gms. against the existing specification of Bureau of Indian Standards which permit a maximum of 0. 56 gms. of lead per litre of motor spirit; and

(d) if so, what are the details in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI BRAHM DUTT): (a) to (d) The Government have decided that effective September 1992, the maximum allowable lead content limit in Motor spirit would be reduced to 0. 15 gms of lead per litre from the present specifications of Bureau of Indian Standards which permits a maximum of 0. 56 gms per litre.

To enable the refineries to produce the low lead motor spirit and also to meet the country's motor spirit requirement in future years, some additional facilities are proposed to be installed which include the. installation of Catalytic Reformers at Barauni, Digboi and Karnal refineries.

**Increase in oil production during the Eighth plan period**

579. SHRI SURESH PACHOURI: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether ONGC has conveyed to the Finance Minister that it will be able to produce more oil during the Eighth Plan period;

(b) if so, "what is the estimated production of oil that has been considered by the ONGC;

(c) whether as per the latest information made available by the ONGC, oil production will exceed the Plan target; and

(d) if so, whether Government have agreed to provide funds to meet this target of oil production?

THE MINISTER OF STATE OF THE MINISTRY OF PETROLEUM, AND NATURAL GAS (SHRI BRAHM DUTT): (a) Yes, Sir.

(b) Based on the preliminary exercise, ONGC is Considering a production of 42-43 million tonnes of oil per year by the end of 8th Plan (1994-95).